

## HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN

### 5 ABSTRACT

10 The invention provides isolated nucleic acids that  
encode HTPL, including two isoforms, and fragments thereof,  
vectors for propagating and expressing HTPL nucleic acids, host  
cells comprising the nucleic acids and vectors of the present  
invention, proteins, protein fragments, and protein fusions of  
the novel HTPL isoforms, and antibodies thereto. The invention  
further provides transgenic cells and non-human organisms  
comprising human HTPL nucleic acids, and transgenic cells and  
15 non-human organisms with targeted disruption of the endogenous  
orthologue of the human HTPL gene. The invention further  
provides pharmaceutical formulations of the nucleic acids,  
proteins, and antibodies of the present invention, and  
diagnostic, investigational, and therapeutic methods based on  
20 the HTPL nucleic acids, proteins, and antibodies of the present  
invention.